

Shivom Paudel

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EDUCATION

University of Arizona

Bachelor of Science in Computer Science

Tucson, AZ

Dec 2025

EXPERIENCE

Software Engineer Intern

June 2024 – Aug 2024

University of Arizona

Tucson, AZ

- Collaborated with a small team of students to develop a chatbot/web application for the University of Arizona's Eller College of Business.
- Developed a Python script to automate porting 5 years of Excel sheet data to a MySQL database, advancing data accessibility and consistency.
- Implemented a MySQL database schema to organize data related to over 600 students, professors, classes, surveys, questions, and responses.
- Employed Node.js with connection pooling to connect to the MySQL database and handle requests and responses efficiently.

Frontend Engineer

Jan 2023 – June 2023

Hike Medical

Peoria, IL

- Led development of key projects, collaborated with a computer vision and a full stack engineer, and ensured project goals were met on time.
- Instituted responsive design, accessibility, and cross-browser compatibility in all projects, utilizing various libraries and tools, contributing to growth of a healthcare startup.
- Improved web app efficiency by 50% and reduced user time from 30 to 15 minutes by providing clear and accessible directions through Intercom articles.
- Increased website search ranking from 5th to 1st by applying SEO best practices, resulting in a 75% increase in customer engagement and inquiries.

PROJECTS

TV Remote Mobile App

JavaScript, React Native, Expo Go

- Built a functional TV remote application using React Native and JavaScript to control a Roku device, replacing a broken physical remote.
- Wrote functions to send HTTP requests to the Roku API, enabling control over various TV functions: power, volume, and navigation.
- Designed and structured a user-friendly interface with React components, including buttons for common streaming apps and TV controls, ensuring easy navigation and use.
- Integrated ability to launch specific streaming apps directly from a remote interface, establishing a seamless and efficient user experience.

Movie Information Website

React, JavaScript, HTML, CSS

- Created a web application using React and the IMDb API to allow users to search for movies, sort movies, and retrieve detailed information, including ratings, description, release date, and runtime.
- Utilized React Router to enable dynamic and nested routing for seamless navigation between home page, movie details, explore section, and search results.
- Integrated skeleton loading states to enhance user experience by displaying visual feedback during data fetching, ensuring smoother interaction.
- Designed a responsive interface featuring a mobile sidebar for easier navigation on various device sizes, ensuring accessibility and a consistent user experience.

TECHNICAL SKILLS

Languages & Libraries : Java, Python, C++, MySQL, JavaScript, TypeScript, pandas

Web Development: HTML, CSS, React.js, Next.js, Tailwind CSS, Node.js, Express, Material UI

Tools & Frameworks: Git, JUnit, Unreal Engine, MySQL

Integrated Development Environments: VS Code, Visual Studio, Eclipse